

Attorney Docket No.: 00447CD/HG

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicants : Masahiro KAWAKAMI et al.  
Serial No. : 09/974,511  
Filed : October 10, 2001  
For : SMELTING REDUCTION METHOD  
Art Unit : 1742  
Examiner : Melvyn J. Andrews

**REQUEST FOR INITIALED COPIES  
OF FORMS PTO/SB/08A AND PTO/SB/08B**

Commissioner for Patents  
Washington, D.C. 20231

S I R :

The July 2, 2002 Office Action returned copies of only the Form PTO-1449 dated June 21, 2002 for the parent application Serial No. 09/598,605, wherein sheet 1 did not contain the Examiner's initials.

The Examiner is respectfully requested to return a copy of all three sheets comprising PTO/SB/08A and PTO/SB/08B dated October 10, 2001 (copies of which are enclosed) with the

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*Dorothy DeFrancesco*  
Dorothy DeFrancesco

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Examiner's initials in the left column next to each of the cited publications to indicate that the cited publications were considered and made of record.

Respectfully submitted,

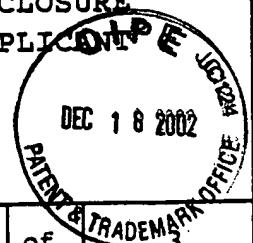
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Encs.: Copies of Forms PTO/SB/08A and PTO/SB/08B  
(3 sheets in total)

Substitute for Form 1449A/PTO			Application Number	(Div. of S.N. 09/598,605) 09/974,511
			Filing Date	Concomitantly Herewith
			First Named Inventor	Masahiro KAWAKAMI
			Group Art Unit	1742
			Examiner Name	
Sheet	1	of 3	Attorney Docket Number	00447CD/HG



## U.S. PATENT DOCUMENTS

Exam. Initials	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
MQ		4,295,882		Arima et al.	10-20-1981	
MQ		4,842,642		Bowman	06-27-1989	1C 1700 MAIL ROOM DEC 24 2003

## FOREIGN PATENT DOCUMENTS

Exam. Initials	Cite No <sup>1</sup>	Offc <sup>4</sup>	Document Number <sup>4</sup>	Kind Code <sup>3</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
MQ		JP	2-73911		Nippon Steel Corp.	03-13-1990		*
MQ		JP	4-83815		Nippon Steel Corp.	03-17-1992		*
MQ		JP	49-93209		K.K. Juuzen Shoukai	09-05-1974		
ma		JP	9-217105		Sumitomo Metal Ind.	08-19-1997		*
ma		WIPO	96/08328		Aikoh Co., Ltd.	03-21-1996		*
ma		JP	9-143525		Kawasaki Steel Corp.	06-03-1997		*
MQ		JP	56-115670		Hitachi, Ltd.	09-10-1981		
MQ		JP	1-152211		Kawasaki Heavy Ind.	06-14-1989		*

Examiner Signature	Melvyn Andrews	Date Considered	3-4-03
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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See Kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

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\*ENGLISH LANGUAGE ABSTRACT OF RECORD

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<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>DEC 18 2002</p> <p>PATENT &amp; TRADEMARK OFFICE</p>		Application Number	(Div. of S.N. 09/598,605) 09/974511
		Filing Date	Concomitantly Herewith
		First Named Inventor	Masahiro KAWAKAMI
		Group Art Unit	
		Examiner Name	
Sheet	2	of	Attorney Docket Number 00447CD/HG

**U. S. PATENT DOCUMENTS**

Exam. Inits*	Cite No*	Document Number	Kind Code*	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
						<p>RECEIVED DEC 24 2003 TC 1700 MAIL ROOM</p>

## FOREIGN PATENT DOCUMENTS

Exam Inits <sup>1</sup>	Cite No <sup>2</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
Ma		JP	9-256009		Kawasaki Steel Corp.	09-30-1997		*
Ma		JP	7-316618		NKK CORP.	12-05-1995		*
Ma		JP	2-232312		Kawasaki Steel Corp.	09-14-1990		*
Ma		JP	1-147012		Sumitomo Metal Ind.	06-08-1989		*
Ma		JP	6-271919		Nippon Steel Corp.	09-27-1994		*
Ma		JP	9-227919		Kawasaki Steel Corp.	09-02-1997		*

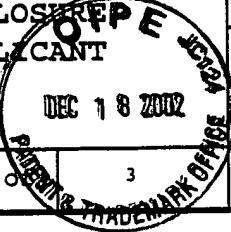
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See *Kinds of U.S. Patent Documents*. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached. 17

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Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <div style="text-align: center; font-size: small;">           DEC 18 2002       </div>		Application Number	(Div. of S.N. 097598,605) 09/974 511
		Filing Date	Concomitantly Herewith
		First Named Inventor	Masahiro KAWAKAMI
		Group Art Unit	
Sheet	3	Office	3
		Examiner Name	
		Attorney Docket Number	00447CD/HG

**OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
Ma		Report of National Research Institute of Metals, Science and Technology Agency, Vol. 8, pp. 83-99 (1987).	
MQ		Amit Ganguly and Ken J. Reid, "Carbon Utilization in Direct Smelting Systems", <u>Steel Research</u> , 63, 281-290 (1992).	
Ma		"Recent tendencies of new iron sources", ("Recent Trends of New Iron Production Process") by Iron Making Process Forum of the Iron and Steel Institute of Japan, pages 42 to 51 (September 1996).	
ma		"Studies on iron making technique of directly using coal" ("Direct Iron Ore melting Reduction Process") by THE JAPAN IRON AND STEEL FEDERATION (June 1996).	
MQ		"The 165 <sup>th</sup> and 166 <sup>th</sup> Nishiyama Commemorative lecture", pages 149 to 175 (September and October 1997).	
Ma		"The 165 <sup>th</sup> and 166 <sup>th</sup> Nishiyama Commemorative Lecture", pages 117 to 147 (September and October 1997).	
MQ		Rene Munnix, Jean Borlee, Didier Steyts and Mario Economopoulos, "Comet - A New Coal Based Process for the Production of DRI", <u>MPT International</u> , pages 50 to 61, February 1997.	
MQ		"Current Advances in Material and Processes", Report of the ISIJ Meeting, The Iron and Steel Institute of Japan, CAMP - ISIJ Vol. 10, (September 1997), pages 723 to 726.	
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Examiner Signature	Melvyn Andrews		Date Considered 3 - 4 - 03

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